	Amaliandian Ala	Amelia	
	Application No.	Applicant(s)	
Notice of Allowability	09/812,218 Examiner	SHIDA ET AL.	
	Examiner	Art Unit	•
	Susy N Tsang-Foster	1745	
The MAILING DATE of this communication application application application allowable, PROSECUTION ON THE MERITS Is rewith (or previously mailed), a Notice of Allowance (PTOL-88 DTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT IS the Office or upon petition by the applicant. See 37 CFR 1.37	S (OR REMAINS) CLOSED in tl 5) or other appropriate communi RIGHTS. This application is sub	his application. If not included ication will be mailed in due co	ourse THIS
This communication is responsive to the amendment filed	d on 12/22/2003.		
☑ The allowed claim(s) is/are <u>6-17</u> .			
☑ The drawings filed on 19 March 2001 are accepted by the	e Examiner.		
☑ Acknowledgment is made of a claim for foreign priority to	under 35 U.S.C. § 119(a)-(d) or	(f).	
a) ☑ All b) ☐ Some* c) ☐ None of the:	, ,		
 Certified copies of the priority documents have 	ve been received.		
2. Certified copies of the priority documents have	ve been received in Application	No	
Copies of the certified copies of the priority d	ocuments have been received in	n this national stage applicatio	n from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON FILS THREE-MONTH PERIOD IS NOT EXTENDABLE.	" of this communication to file a MENT of this application.	reply complying with the requi	rements
A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give	mitted. Note the attached EXAM ves reason(s) why the oath or de	INER'S AMENDMENT or NO eclaration is deficient.	TICE OF
CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		
(a) Including changes required by the Notice of Draftsper	rson's Patent Drawing Review (PTO-948) attached	
1) 🗌 hereto or 2) 📗 to Paper No./Mail Date	_ :		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	r's Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the c	drawings in the front (not the ba	ack) of
☐ DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATER	IAL must be submitted. Not	te the
achment(s)	.		
☐ Notice of References Cited (PTO-892)☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		mal Patent Application (PTO-1	152)
- ,	Paper No./Ma	il Date .	
☐ Information Disclosure Statements (PTO-1449 or PTO/SB/	7. ⊠ Examiner's Am	nendment/Comment	
Paper No /Mail Date			
Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Sta	atement of Reasons for Allowa	ance

Application/Control Number: 09/812,218

Art Unit: 1745

Page 2

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

IN THE CLAIMS:

Claims 18-26:

Please cancel non-elected claims 18-26.

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 1, line 3:

The present application claims priority to Japanese Applications Nos. P2000-076615 filed March 17, 2000, and P2000-076606 P2000-076616 filed March 17, 2000, which applications are incorporated herein by reference to the extent permitted by law.

Art Unit: 1745

On page 9, line 12:

Initially, for instance, on a belt-shaped positive electrode collector 25a (see Fig. 5) whose thickness is in the range of 5 µm to 50 µm, a plurality of the positive electrode mixture layers 26 whose thickness is in the range of 50 µm to 300 µm is intermittently formed in order to produce a belt-shaped positive electrode 21a (see Fig. 5). The belt-shaped positive electrode 21a becomes the above-mentioned positive electrode 21 (see Fig. 3) by separating individually. Specifically, producing the belt-shaped positive electrode 21a is conducted with the following manners. First, positive electrode mixtures including positive electrode active materials, conducting agents such as carbon black or graphite, and binders such as polyvinylidene fluoride and so on, are diffused to solvents such as dimethylformaldehyde or N-methylpyrrolidone so as to make positive electrode mixture slurry. Then, the positive electrode mixture slurry is intermittently applied onto a surface and a back of the belt-shaped positive electrode collector 25a, then the positive electrode mixture slurry applied onto the belt shaped positive electrode collector 25a, then, the belt-shaped positive electrode collector 25a is dried and subjected to compression molding. The belt-shaped positive electrode collector 25a is made of metal foil such as aluminum (A1) foil, nickel (Ni) foil or stainless foil.

On page 19, line 5:

Producing the belt-shaped negative electrode is conducted with the following manners.

First, lithium metal, lithium alloy such as alloy of lithium and aluminum, or negative electrode

Art Unit: 1745

materials capable of occluding and releasing lithium are mixed with binders such as polyvinylidene fluoride uniformly, then diffused to solvents such as dimethyl formaldehyde or N-methylpyrrolidone so as to make negative electrode slurry. After this, the negative electrode slurry is intermittently applied on a surface and a back of the belt-shaped negative electrode collector made of metal foil such as copper (Cu) foil, then the negative electrode slurry applied onto the belt-shaped negative electrode collector is dried and subjected to compression molding.

2. **Reasons for present amendment:**

Claims 18-26 were withdrawn from consideration and election was made without traverse.

Amendments to the specification are made in general to correct typographical errors and to remove an extraneous paragraph starting on page 19, line 5 in the amendment filed on 12/22/2003. In the amendment filed on 12/22/2003, there are two paragraphs both starting on page 19, line 5. It appears that the second paragraph is identical to the first paragraph except "fluoride" is missing after "polyvinylidene". For the purposes of advancing prosecution, the Examiner interprets that the applicant intended the first paragraph to be the amended paragraph. Examiner Tsang-Foster spoke briefly with Mr. Christopher Rauch on 3/19/2004 and the Examiner stated that any disagreements to these typographical changes made in the specification can be remedied by a 312 amendment after further discussion with the Examiner. It is noted that "µm" is inserted into the paragraph starting on page 9, line 12 because it appears that applicant unintentionally deleted "µm" from this paragraph after "300".

3. The following is an examiner's statement of reasons for allowance:

The closest prior art of record, McAleavey (US 5,496,407) discloses a method of manufacturing a battery comprising the step of moving a knife relative to a web to adjust the thickness of the electrolyte material on the web (col. 2, lines 23-27 and col. 4, line 63 to col. 5, line 15) but the reference does not disclose, teach, or suggest the distinguishing feature of controlling the thickness of the electrolyte layer by adjusting a roller that is positioned on a side of the conveyor opposite the delivery opening.

Page 5

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications should be directed to examiner Susy Tsang-Foster, Ph.D. whose telephone number is (571) 272-1293. The examiner can normally be reached on Monday through Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached at (571) 272-1292.

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications Application/Control Number: 09/812,218

Art Unit: 1745

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Page 6

Ausy Isang Tooler Susy Tsang-Foster **Primary Examiner**

Art Unit 1745